

**What is claimed is:**

1           1.    An optical disk drive, comprising:  
2           a main guide rod;  
3           a sub guide rod disposed substantially parallel to  
4           the main guide rod;  
5           a pickup head, movably disposed on the main guide  
6           rod and the sub guide rod, having a clamp to  
7           grasp the sub guide rod;  
8           a protrusion disposed on the sub guide rod, being  
9           movable between a first and a second position;  
10          wherein the protrusion blocks the clamp and  
11          restricts a movement of the pickup head when  
12          the protrusion is in the first position; and  
13          the clamp is released when the protrusion is in  
14          the second position.

1           2.    The optical disk drive as claimed in claim 1,  
2          wherein the sub guide rod has two ends, and a slot is  
3          formed on one of the ends.

1           3.    The optical disk drive as claimed in claim 2,  
2          further comprising a chassis, and one of the ends of the  
3          sub guide rod being extended out of the chassis.

1           4.    The optical disk drive as claimed in claim 1,  
2          wherein the optical disk drive further comprises a  
3          sensor, the sub guide rod is disposed between the clamp  
4          and the sensor, and the protrusion contacts the sensor,  
5          which detects a separation between the protrusion and the  
6          clamp, so as to detect a movable status of the pickup

7 head movable when the protrusion is in the second  
8 position.

1 5. An optical disk drive, comprising:  
2 a main guide rod;  
3 a sub guide rod disposed substantially parallel to  
4 the main guide rod;  
5 a pickup head, movably disposed on the main guide  
6 rod and the sub guide rod, having a clamp to  
7 grasp the sub guide rod;  
8 a shaft disposed substantially parallel to the sub  
9 guide rod;  
10 a protrusion disposed on the shaft, being movable  
11 between a first and a second position;  
12 wherein the protrusion blocks the clamp and  
13 restricts a movement of the pickup head when  
14 the protrusion is in the first position; and  
15 the clamp is released when the protrusion is in  
16 the second position.

1 6. The optical disk drive as claimed in claim 5,  
2 wherein the shaft has two ends, and a slot is formed on  
3 one of the ends.

1 7. The optical disk drive as claimed in claim 6,  
2 further comprising a chassis, and one of the ends of the  
3 sub guide rod being extended out of the chassis.

1 8. The optical disk drive as claimed in claim 5,  
2 wherein the optical disk drive comprises a sensor, the  
3 shaft is disposed between the clamp and the sensor, and  
4 the protrusion contacts the sensor, which detects a

5 separation between the protrusion and the clamp, so as to  
6 detect a movable status of the pickup head when the  
7 protrusion is in the second position.